

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2004/002192

## A. CLASSIFICATION OF SUBJECT MATTER

According to International Patent Classification (IPC) or to both national classification and IPC  
IPC[7] E21B 29/06

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC [7] - E21B 29/06, E21B 7/06, E21B 7/08  
USPC - 175/58,81,244,248,249,267,284  
CPC: 166/10

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)

USPTO, Espacenet, CPD, internet

keywords: reamer,reaming,ream,reamed,borehole,wellbore,bore,hole,well,drill,pocket,gallery,parallel (singly or combined, with or without class, as appropriate)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No(s).
A	US 5,103,921 A (ZEER, R. et al.) 14 April 1992 (14.04.1992) (see whole document)	1 - 21
A	GB 2,234,278 A (ZEER, R.) 30 January 1991 (30.01.1991) (see whole document)	1 - 21

[ ] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

\* Special categories of cited documents :  
"A" document defining the general state of the art which is not considered to be of particular relevance  
"E" earlier application or patent but published on or after the international filing date  
"L" document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  
"O" document referring to an oral disclosure, use, exhibition or other means  
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
"&" document member of the same patent family

Date of the actual completion of the international search  
11 February 2005 (11-02-2005)

Date of mailing of the international search report  
24 March 2005 (24-03-2005)

Name and mailing address of the ISA/CA  
Canadian Intellectual Property Office  
Place du Portage I, C114 - 1st Floor, Box PCT  
50 Victoria Street  
Gatineau, Quebec K1A 0C9

Authorized officer  
Edward Dabrowski (819) 953-1378

Facsimile No: 001(819)953-2476

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.  
PCT/CA2004/002192

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
US5103921	14-04-1992	AU1412292 A CA2106691 A1 WO9215766 A1	06-10-1992 09-09-1992 17-09-1992
GB2234278 A	30-01-1991	AU4717689 A CA1276007 C	24-01-1991 06-11-1990